

DPO5 Rec'd PCT/PTO 09 FEB 2005

Translation of the pertinent portions of an International Preliminary Examination Report, mailed 08/26/2004

2. This report contains a total of six pages, including the cover page.

3. This report contains information regarding the following items:

I Basis of the Notification

V Reasoned Determination in accordance with Rule 66.2

a) ii)

I Basis of the Report

1. Regarding the **contents** of the international application:

Specification, pages

1 to 16 in the originally filed version

Claims, Nos.

1 to 40 in the originally filed version

Drawings, sheets

1/5 to 5/5 in the originally filed version

V Reasoned Determination in accordance with Article 35(2)

1. Determination

Novelty Yes: Claims 1 to 40
No: Claims

Inventive Activities Yes: Claims 1 to 40
No: Claims

Commercial Usefulness Yes: Claims 1 to 40
No: Claims

2. References and Explanations

see the attached sheet

ATTACHED SHEET

Item V:

1. Prior Art:

Document D1 (=WO 02/43962) describes the following characteristics, which are common to claims 1, 2, 9, 10 and 38, namely a device for holding at least one dressing (4) on a cylinder (1) of a rotary printing press, wherein the device is arranged in a channel (3) of the cylinder (1) and has a bow (13) (see Fig. 1). In regard to the bow it should be mentioned that Document D1 describes a base body (13) (see Fig. 1), which has a circular cross section with a cutout (14) and has a length between 50 and 80 mm (see page 6, lines 6 and 7 and Fig. 1). Accordingly, the base body can be actually called a bow.

Document D1 furthermore describes the following characteristics which are contained in the preambles of claims 1, 2, 9 and 10, namely that the device has at least one torsion-resistant holding means (17), which is pivotably seated in the channel (3) and has a first end (22) and a second end (see Fig. 1), wherein the first end (22) holds a beveled leg (7) of the dressing (4) inserted into the opening (8), and the seating and center point (S) of the holding means (17) is located at the second end (see Fig. 1).

Finally, Document D1 describes the following characteristics which are contained in the preambles of claims 1 and 2, namely that the channel (3) has a wall and an opening (8) oriented toward the surface area (2) of the cylinder (1) (see Fig. 1), wherein from the opening (8) at least one wall (9) extends at an acute angle (α) from a tangent line (not represented), which rests on the opening (8) in the surface area (2), toward the channel (3) (see Fig. 1).

Object of the Invention

The object of the invention is based on creating a device for holding at least one dressing on a cylinder of a rotary printing press, wherein the strict demands made on manufacturing technology, which exist in connection with a dimensionally accurate matching of the channel and the base body, are reduced, if a base body is fitted into the channel with its entire surface facing the wall of the channel. Furthermore, the invention is also based on providing a method for mounting this device.

Attainment

The object is mainly attained by means of a bow seated at individual support points in a channel (see the detailed description of the various individual support points on page 8, lines 3 to 21, of the application). These individual support points are recited in the characterizing portions of claims 1, 2, 9, 10 and 38, namely:

- in claim 1, that a dimensionally-stable bow is arranged in the channel on the wall (= individual support point) of the opening which extends at an acute angle toward the channel,

- in claim 2, that a dimensionally-stable bow is arranged in the channel, wherein a support point is located on the wall (= individual support point) of the channel, or on the wall (= individual support point) of the opening which extends at an acute angle toward the channel,

- in claim 9, that a dimensionally-stable bow with a support point spaced away from the seating and center point of the holding means, is arranged in the channel on the holding means (= individual support point), wherein the seating or center point of the holding means is arranged in or on the wall of the channel,

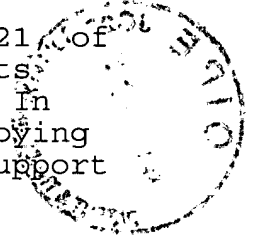
- in claim 10, that a stop is arranged in the channel between the holding means and a dimensionally-stable bow, which is oriented from the second end of the holding means (= individual support point) towards the first end of the latter, wherein the stop limits a pivot movement of the holding means directed toward the bow,

- in claim 38, that a spring (= individual support point) is placed on a leg of a bow, that another leg of the bow is movably attached to an end (= individual support point) located in or on the bottom of the channel, and that the holding means, together with the bow and the spring, is inserted into the channel.

The combination of the characteristics in the characterizing portions of claims 1, 2, 9, 10 and 38 is neither disclosed nor suggested in the prior art. A base body is mentioned in D1, which is fitted into the channel with its entire surface facing the channel.

2. However, the attention of applicant is directed to the following objection:

The different definitions of the invention contained in independent claims 1, 2, 9 and 10 are such, that the claims as a whole have not been clearly and concisely written, so that Article 6 PCT has not been complied with. As represented in the specification on page 8, lines 3 to 21 of the application, at least three individual support points must exist for assuring the secure seating of the bow. In the present case it is considered to be useful for employing only one independent claim (at least three individual support points) per application category.



Translation

PATENT COOPERATION TREATY

PCT/DE2003/002597



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference W1.1883PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE2003/002597	International filing date (<i>day/month/year</i>) 01 August 2003 (01.08.2003)	Priority date (<i>day/month/year</i>) 12 August 2002 (12.08.2002)
International Patent Classification (IPC) or national classification and IPC B41F 27/12		
Applicant KOENIG & BAUER AKTIENGESELLSCHAFT		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>6</u> sheets, including this cover sheet. <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of _____ sheets.
3. This report contains indications relating to the following items: I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 20 November 2003 (20.11.2003)	Date of completion of this report 26 August 2004 (26.08.2004)
Name and mailing address of the IPEA/EP Facsimile No.	Authorized officer Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DE2003/002597

I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☐ the international application as originally filed.
- ☒ the description, pages 1-16, as originally filed,
 pages _____, filed with the demand,
 pages _____, filed with the letter of _____,
 pages _____, filed with the letter of _____.
- ☒ the claims, Nos. 1-40, as originally filed,
 Nos. _____, as amended under Article 19,
 Nos. _____, filed with the demand,
 Nos. _____, filed with the letter of _____,
 Nos. _____, filed with the letter of _____.
- ☒ the drawings, sheets/fig 1/5-5/5, as originally filed,
 sheets/fig _____, filed with the demand,
 sheets/fig _____, filed with the letter of _____,
 sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-40	YES
	Claims		NO
Inventive step (IS)	Claims	1-40	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-40	YES
	Claims		NO

2. Citations and explanations**1. Prior Art**

Document D1 (WO-A-0243962) describes the following features that are common to claims 1, 2, 9, 10 and 38: a device for retaining at least one packing (4) on a cylinder (1) in a rotary printing machine, said device being disposed in a channel (3) of the cylinder (1) and having a bracket (13) (see figure 1). With regard to the bracket, it should be noted that document D1 describes a base body (13) (see figure 1) that has a circular cross section with a recess (14) and has a length of between 50 and 80 mm (see page 6, lines 6-7; figure 1). Accordingly, this base body can readily be considered a bracket.

Furthermore, document D1 describes the following features that are included in the preamble of claims 1, 2, 9 and 10: the device has at least one flexurally rigid retaining means (17) that is pivotably mounted in the channel (3) and that has a first end (22) and a second end (see figure 1), said first end (22) holding a folded leg (7) of the blanket that is inserted into the opening (8) and being located at the second end of the bearing and swivel point (S) of the retaining means (17) (see figure 1).

Finally, document D1 describes the following features that are included in the preamble of claims 1 and 2: the channel (3) has a wall and an opening (8) that is directed toward the jacket (2) of the cylinder (1) (see figure 1), and at least one wall (9) extends toward the channel (3) at an acute angle (α) from a tangent (not pictured) to the jacket (2) at the opening (8) (see figure 1).

Problem addressed by the invention

The invention addresses the problem of producing a device for retaining at least one jacket on a cylinder in a rotary printing machine in which the high production demands associated with the dimensionally accurate adjustment of the channel and base body are reduced when a base body and the entire surface facing the wall of the channel is fitted into the channel. Furthermore, the invention likewise addresses the problem of developing a method for assembling such a device.

Solution

The problem is solved primarily by a bracket that is mounted in a channel at discrete support points (see detailed description of the various discrete support points on page 8, lines 3-21 of the description).

Said discrete support points are represented in the characterizing parts of claims 1, 2, 9, 10 and 38:

- In claim 1, a dimensionally stable bracket, which is supported on the wall of the opening (= discrete support points) that extends toward the channel at an acute angle, is arranged in the channel.
- In claim 2, a dimensionally stable bracket that is mounted at discrete support points is arranged in the channel, a support point being located on the wall

- (= discrete support point) of the channel or on the wall of the opening (= discrete support points) that extends toward the channel at an acute angle (= discrete support point).
- In claim 9, a dimensionally stable bracket with a support point that is spaced from the bearing and pivot point of the retaining means is arranged on said retaining means (= discrete support point) in the channel.
 - In claim 10, a stop is arranged in the channel between the retaining means and a dimensionally stable bracket that is oriented from the second end (= discrete support point) to the first end of the retaining means, said stop limiting the pivoting movement of the retaining means toward the bracket.
 - In claim 38, a spring (= discrete support point) is applied to a leg of a bracket, another leg of the bracket is moveably attached at an end of the retaining means (= discrete support point) located in or on the channel floor and the retaining means are inserted into the channel along with the bracket and the spring.

The prior art does not disclose or suggest the combination of features in the characterizing part of claims 1, 2, 9, 10 and 38. Document D1 mentions a base body that is fitted into the channel with its entire surface facing the wall of the channel.

2. However, the applicant should note the following objection:

The definitions of the invention contained in independent claims 1, 2, 9 and 10 vary to such an extent that the claims as a whole are not clear and concise, and hence PCT Article 6 has not been satisfied. As stated on page 8,

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PCT/DE 03/02597

lines 3-21, of the description, at least three discrete support points must be provided in order to guarantee the secure bearing of the bracket. In the present case, it is deemed appropriate to use only one independent claim (at least three discrete support points) for each category.